AMENDMENTS TO THE CLAIMS:

Claims 1-30 are canceled without prejudice or disclaimer. Claims 31-54 are added. The following is the status of the claims of the above-captioned application, as amended.

Claims 1-30 (Cancelled.)

- 31. (New.) An isolated nucleic acid sequence encoding a polypeptide having glucanotransferase activity, wherein the nucleic acid sequence comprises a nucleic acid sequence selected from the group consisting of:
 - a nucleic acid sequence encoding a polypeptide having an amino acid sequence which has at least 80% identity with the amino acid sequence shown as amino acids 1 to 501 of SEQ ID NO:2;
 - (b) a nucleic acid sequence having at least 80% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1;
 - a nucleic acid sequence which hybridizes under medium stringency conditions
 with a complementary strand of the nucleic acid sequence shown as nucleotides
 1 to 1503 of SEQ ID NO:1;
 - (c) the glucanotransferase encoding part of the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049; and
 - (d) a nucleic acid sequence having at least 80% identity to the glucanotransferase encoding part of the DNA sequence cloned into a plasmid present in *Escherichia* coli DSM 13049.
- 32. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence encoding a polypeptide having an amino acid sequence which has at least 80% identity with the amino acid sequence shown as amino acids 1 to 501 of SEQ ID NO:2.

- 33. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 80% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.
- 34. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 85% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.
- 35. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 90% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.
- 36. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 95% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.
- 37. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 97% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.
- 38. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 98% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.
- 39. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 99% identity with the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.
- 40. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence which hybridizes under medium stringency conditions with a complementary strand of the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.

- 41. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence which hybridizes under high stringency conditions with a complementary strand of the nucleic acid sequence shown as nucleotides 1 to 1503 of SEQ ID NO:1.
- 42. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises the glucanotransferase encoding part of the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.
- 43. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 80% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.
- 44. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 85% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.
- 45. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 90% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.
- 46. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 95% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.
- 47. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 96% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.
- 48. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 97% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.

- 49. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 98% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.
- 50. (New.) The nucleic acid sequence of claim 31, wherein the nucleic acid sequence comprises a nucleic acid sequence having at least 99% identity to the DNA sequence cloned into a plasmid present in *Escherichia coli* DSM 13049.
- 51. (New.) A nucleic acid construct comprising the nucleic acid sequence of claim 31 operably linked to one or more control sequences capable of directing the expression of the polypeptide in a suitable expression host.
- 52. (New.) A recombinant expression vector comprising the nucleic acid construct of claim 51, a promoter, and transcriptional and translational stop signals.
- 53. (New.) A recombinant host cell comprising the nucleic acid construct of claim 51.
- 54. (New.) A method for producing polypeptide having glucanotransferase activity, the method comprising:
 - (a) cultivating a recombinant host cell as defined in claim 53 under conditions conducive to the production of the polypeptide; and
 - (b) recovering the polypeptide.